



Information Technology Industry

REAL TIME LABOR MARKET SUMMARY

February 2019

Information Technology Industry Labor Analysis Across the State During the Last 6 Months

A sampling of the IT industry for the 6-month period showed over 3,500 job postings for top demand jobs. The top occupation was Software Developers, Applications, making up 15.6% of total job postings.

Top Job Postings		% of Online Job Postings
SOC Code	Occupations	
Now Occupations		
43-4051	Customer Service Representatives	1.2%
43-9051	Mail Clerks and Mail Machine Operators	0.4%
43-4071	File Clerks	0.4%
43-5081	Stock Clerks	0.3%
43-5071	Shipping, Receiving, and Traffic Clerks	0.3%
53-7062	Laborers and Freight, Stock, and Material Movers	0.3%
43-4171	Receptionists and Information Clerks	0.3%
53-3033	Light Truck or Delivery Services Drivers	0.2%
33-9032	Security Guards	0.2%
41-9099	Sales and Related Workers, All Other	0.2%
Next Occupations		
41-4012	Sales Representatives, Wholesale & Manufacturing	5.9%
15-1151	Computer User Support Specialists	3.4%
15-1134	Web Developers	1.1%
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.9%
43-1011	Supervisors of Office & Admin. Support Workers	0.8%
43-6014	Secretaries and Administrative Assistants	0.7%
41-3099	Sales Representatives, Services, All Other	0.7%
49-9071	Maintenance and Repair Workers, General	0.6%
43-3021	Billing, Cost, and Rate Clerks	0.5%
15-1152	Computer Network Support Specialists	0.4%
Later Occupations		
15-1132	Software Developers, Applications	15.6%
13-1111	Management Analysts	4.2%
15-1199	Computer Systems Engineers/Architects	4.1%
15-1121	Computer Systems Analysts	3.9%
15-1199	Information Technology Project Managers	3.8%
11-9199	Managers, All Other	3.3%
15-1122	Information Security Analysts	2.8%
15-1199	Software Quality Assurance Engineers & Testers	2.5%
15-1142	Network and Computer Systems Administrators	2.3%
15-1141	Database Administrators	2.2%

Occupations are divided into Now, Next and Later categories based on the typical training and education required. Now occupations typically require short-term on-the-job training, little to no experience, and/or a high school diploma. Next occupations typically require a non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training. Later occupations require a bachelor's degree or higher.

Nearly three-fourths (73%) of jobs posted for this industry and time period fell into the Later category, indicating this is an industry that demands technical and skilled labor.

The top five employers for the 6-month period of Aug. 1, 2018 - Jan. 31, 2019, making up nearly one-third (31%) of total job postings, were:

- Cerner Corporation
- Fiserv
- Infosys
- Jack Henry & Associates
- Navisite Incorporated

Information Technology Skills and Certifications

Top 10 Basic Skills	
Description	Rank
Communication Skills	1
Teamwork / Collaboration	2
Problem Solving	3
Troubleshooting	4
Planning	5
Microsoft Excel	6
Research	7
Writing	8
Organizational Skills	9
Microsoft Office	10

Top 10 Specialized Skills	
Description	Rank
Customer Service	1
Project Management	2
SQL	3
Software Development	4
Java	5
Occupational Health and Safety	6
Customer Contact	7
Sales	8
Oracle	9
Scheduling	10

Basic skills are the most numerous, found in the majority of job advertisements. Several soft skills such as communication, teamwork, and problem solving ranked in the top 10 requested basic skills. Communication skills were found in over two-fifths (41%) of total job postings for the time period. Customer service was the top specialized skill, followed by project management and SQL.

Top 10 Software Skills	
Description	Rank
SQL	1
Software Development	2
Microsoft Excel	3
Java	4
Microsoft Office	5
Oracle	6
Linux	7
Microsoft Powerpoint	8
JavaScript	9
Software Engineering	10

Top 10 Certificates	
Description	Rank
IT Infrastructure Library (ITIL) Certification	1
Certified Public Accountant (CPA)	2
Project Management Certification	3
Security Clearance	4
Driver's License	5
Project Management Professional (PMP)	6
Certified Information Systems Security Professional (CISSP)	7
Certified A+ Technician	8
CompTIA Security+	9
CompTIA Network+	10

The top requested software and programming skill was SQL, followed by software development and Microsoft Excel. The top requested certificate was IT Infrastructure Library, followed by Certified Public Accountant and Project Management Certification.

Notes:

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insight™ tool which collects information from over 35,000 web sources, including job boards, newspapers, and employer websites. While this analysis presents a broad picture of hiring activity and serves as a measure of labor demand, it does not capture openings that are filled through other networks.

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